Validated By CRFValidator v 1.0.3

Application No: 10549662 Version No: 1.0

Input Set:

Output Set:

Started:	2007-09-17 14:27:45.514
Finished:	2007-09-17 14:27:45.665
Elapsed:	0 hr(s) 0 min(s) 0 sec(s) 151 ms
Total Warnings:	0
Total Errors:	0
No. of SeqIDs Defined:	18
Actual SeqID Count:	18

SEQUENCE LISTING

<110> Medical College of Ohio
Ratnam, Manohar

<120> Folate Receptor Gene Modulation For Cancer Diagnosis and Therapy

<130> 9178

<140> 10549662
<141> 2007-09-17

<150> US 60/455,705
<151> 2003-03-17

<160> 18

<170> PatentIn version 3.2

<210> 1
<211> 223
<212> DNA
<213> Homo sapiens

<400> 1
gtgaccacct ggagaaggca atgaggctca agccagggag gggtggtgtc taatcctacc 60

tttcattgga tctgggaaaa ctgagggaga tgggggcagg gctctatctg ccccaggctt 120

ccgtccaggc cccaccctcc tggagccctg cacacaactt aaggccccac ctccgcattc 180

cttggtgcca ctgaccacag ctctttcttc agggacagac atg 223

<210> 2
<211> 12
<212> DNA
<213> Homo sapiens

<400> 2
tgaggctcaa gc 12

<210> 3
<211> 13
<212> DNA
<213> Homo sapiens

<400> 3
gggaggggtg gtg 13

<210> 4
<211> 22
<212> DNA
<213> Homo sapiens

<400> 4
ctgagggaga tgggggcagg gc 22

<210> 5
<211> 11
<212> DNA
<213> Homo sapiens

<400> 5
ccccaccctc c 11

<210> 6
<211> 2723
<212> DNA
<213> Homo sapiens

<400> 6
ttggaaactg atgagattag ctcaaaggat cctggcagct caggctgcaa gatttttttc 60

agacctcagt gtttgggaaa aaattgggta ggtggagctt agggactggc cttaggcctg 120

cactgttaat tcacccccctc ccactacccc atggaggcct ggctggtgct cacatacaat 180

aattaactgc tgagtggcct tcgcccaatc ccaggctcca ctcctgggct ccattcccac 240

tccctgcctg tctcctaggc cactaaacca cagctgtccc ctggaataag gcaaggggga 300

gtgtagagca gagcagaagc ctgagccaga cggagagcca cctcctctcc caggtatgtg 360

acactcccca tccccccttca gaggccacac accctatggc attcccacca tgtgttaagg 420

attttctgaa ctggaagggc cctctgtttg cctgaaggcc agagaatctt gaagtggaga 480

ctgaggccca gaccagagtg tggcctgctc aagattaaac gacaagttag tgttcatccc 540

cctgaactag tacctgggct ctagcccttc agtccagagc tgagttctca gctcttctag 600

tctggggccc caaggttggg tgtgggggtc atgattgttg gtggggaggg gtcacagctg 660

gactaagacc tgaaggtgag actaggcagg tgggaaagga gcttgcagag tgatgctgct 720

caaaaggaca ggaagagagc ctggcttcag aagcagccac agcaagagag actactgact 780

gaacaggtgg gctccactgg gggctccgga aaggattttc tcagccccca tccccagcac 840

tgtgtgttgg ccgcacccat gagagcctca gcactctgaa ggtgcagggg gcaaaggcca 900

aaagagctct ggcctgaact tgggtggtcc ctactgtgtg acttggggca tggccctcat 960

ctgtgctgaa atgattccac aaagattaaa ctggctatca tttgttgatt tccccccttct 1020

tacatttaat ccttgcagga gaaagctaag cctcaagata gtttgcttct ctttccccca 1080

aggccaagga gaaggtggag tgagggctgg ggtcgggaca ggttgaacgg gaaccctgtg 1140

ctctaaacag ttagggtttg ttcccgcagg aactgaaccc aaaggatcac ctggtattcc 1200

ctgagagtac agatttctcc ggcgtggccc tcaaggttag tgagtgagca ggtccacagg 1260

ggcatgattg gatcctggaa tgaatgaatc aaccatgaga gagtgaatga acactggaat 1320

caatagagta gcagagtaat ggattgtgga gcaggaaaga gagctgctgg gtgggaattc 1380

aattccaggc ttatatgagc cctgctgtgc agtcggcctg gagacagccc agctcaggcc 1440

ctgcctagac ccctgtcaag gaggccctgt caagaggaga ggaggggcag cacgggggca 1500

aggcaagctt gtgagcggga aaggcatgtc cactttagcg actggtatgt ggaagatgag 1560

ttagaggaga cagatggaga gaagtcatag gaaataaatt ctgagcattt taggagggcc 1620

cagacacctg gtgtccagtg gagtgaagga aacagtcgcc tcccaaaatt cagtgtctga 1680

ggtcaaagga ttgaagttct gtgatgacca aggagaagcc agctctgtgg taggggggcac 1740

aggagctccc caaggcccca gggctgtcca gctggctgtc ccctgccagc acccatgtcc 1800

tgtgacccca ccccaccaag atcccatggt ttccgggaag ggcctactaa actagcttga 1860

gtgatgaggc tagaaagggg ctgggaccaa ggtttaaaaa gcaaaacaaa ctaacaaaaa 1920

ccacactgca gccccccccaa ctaaaacatt tttataaact ttttttttttt ttttgagatg 1980

gagtctcgct ctgtcaccca ggctagagtg caatggcaca atcttggctc actgtaacct 2040

ccacctcctg gattcaagtg attctcctgc ctcagcctcc cacgtagctg ggactacagg 2100

cacacgacac cgcacccagc tcattttgta tttttagtag agacagggtt tcactatgtt 2160

ggccaggctg gtctcaaact tctgacctca ggtgatccac ccacctcagc cttccaaagt 2220

gctgggatta caggcatgag ccaccgcgcc cagcccattt ttgtaaactt ttacaatgaa 2280

gtaatttggt gtcaaaatct gacctgaaaa ttaatgtgag tttatgtata gttttaattt 2340

atcccactag tgtaactgtt tcaccccaga atatacactt gattattggg tatatgaaaa 2400

aaatattttc tttgaatcac ctttgatgaa atcctaaaaa attttaaccc tgaaacattt 2460

gaataaggca ttgtggacct atggcaaact cctggctatt tctgcatttt gcccaaatcc 2520

atccttgaat tatatcacct gaacctcgtg accacctgga gaaggcaatg aggctcaagc 2580

cagggagggg tggtgtctaa tcctaccttt cattggatct gggaaaactg agggagatgg 2640

gggcagggct ctatctgccc caggcttccg tccaggcccc accctcctgg agccctgcac 2700

acaacttaag gccccacctc cgc 2723

<210> 7
<211> 105

<212> DNA
<213> Homo sapiens

<400> 7
gggaggggtg gtgtctaatc ctacctttca ttggatctgg gaaaactgag ggagatgggg 60

gcagggctct atctgcccca ggcttccgtc caggccccac cctcc 105

<210> 8
<211> 47
<212> DNA
<213> Homo sapiens

<400> 8
gcattccttg gtgccactga ccacagctct ttcttcaggg acagaca 47

<210> 9
<211> 22
<212> DNA
<213> Homo sapiens

<400> 9
gtcagcatat gtagtcccgc cc 22

<210> 10
<211> 21
<212> DNA
<213> Homo sapiens

<400> 10
aaacttaagc agcgatgggg c 21

<210> 11
<211> 21
<212> DNA
<213> Homo sapiens

<400> 11
attctccgcg gcatcgctga c 21

<210> 12
<211> 22
<212> DNA
<213> Homo sapiens

<400> 12
cactgcatac gacgattctg tg 22

<210> 13
<211> 21
<212> DNA

<213> Homo sapiens

<400> 13
attcgatcgg ggcggggcga g 21

<210> 14
<211> 20
<212> DNA
<213> Homo sapiens

<400> 14
gtcaggtcac agtgacctga 20

<210> 15
<211> 1095
<212> DNA
<213> Homo sapiens

<400> 15
ttggaaactg atgagattag ctcaaaggat cctggcagct caggctgcaa gatttttttc 60

agacctcagt gtttgggaaa aaattgggta ggtggagctt agggactggc cttaggcctg 120

cactgttaat tcacccctc ccactacccc atggaggcct ggctggtgct cacatacaat 180

aattaactgc tgagtggcct tcgcccaatc ccaggctcca ctcctgggct ccattcccac 240

tccctgcctg tctcctaggc cactaaacca cagctgtccc ctggaataag gcaaggggga 300

gtgtagagca gagcagaagc ctgagccaga cggagagcca cctcctctcc caggtatgtg 360

acactcccca tccccttca gaggccacac accctatggc attcccacca tgtgttaagg 420

attttctgaa ctggaagggc cctctgtttg cctgaaggcc agagaatctt gaagtggaga 480

ctgaggccca gaccagagtg tggcctgctc aagattaaac gacaagttag tgttcatccc 540

cctgaactag tacctgggct ctagcccttc agtccagagc tgagttctca gctcttctag 600

tctggggccc caaggttggg tgtgggggtc atgattgttg gtggggaggg gtcacagctg 660

gactaagacc tgaaggtgag actaggcagg tgggaaagga gcttgcagag tgatgctgct 720

caaaaggaca ggaagagagc ctggcttcag aagcagccac agcaagagag actactgact 780

gaacaggtgg gctccactgg gggctccgga aaggattttc tcagccccca tccccagcac 840

tgtgtgttgg ccgcacccat gagagcctca gcactctgaa ggtgcagggg gcaaaggcca 900

aaagagctct ggcctgaact tgggtggtcc ctactgtgtg acttggggca tggccctcat 960

ctgtgctgaa atgattccac aaagattaaa ctggctatca tttgttgatt tccccttct 1020

tacatttaat ccttgcagga gaaagctaag cctcaagata gtttgcttct ctttccccca 1080

aggccaagga gaagg 1095

<210> 16
<211> 2723
<212> DNA
<213> Homo sapiens

<400> 16
ttggaaactg atgagattag ctcaaaggat cctggcagct caggctgcaa gatttttttc 60

agacctcagt gtttgggaaa aaattgggta ggtggagctt agggactggc cttaggcctg 120

cactgttaat tcacccccctc ccactacccc atggaggcct ggctggtgct cacatacaat 180

aattaactgc tgagtggcct tcgcccaatc ccaggctcca ctcctgggct ccattcccac 240

tccctgcctg tctcctaggc cactaaacca cagctgtccc ctggaataag gcaaggggga 300

gtgtagagca gagcagaagc ctgagccaga cggagagcca cctcctctcc caggtatgtg 360

acactcccca tccccccttca gaggccacac accctatggc attcccacca tgtgttaagg 420

attttctgaa ctggaagggc cctctgtttg cctgaaggcc agagaatctt gaagtggaga 480

ctgaggccca gaccagagtg tggcctgctc aagattaaac gacaagttag tgttcatccc 540

cctgaactag tacctgggct ctagcccttc agtccagagc tgagttctca gctcttctag 600

tctggggccc caaggttggg tgtgggggtc atgattgttg gtggggaggg gtcacagctg 660

gactaagacc tgaaggtgag actaggcagg tgggaaagga gcttgcagag tgatgctgct 720

caaaaggaca ggaagagagc ctggcttcag aagcagccac agcaagagag actactgact 780

gaacaggtgg gctccactgg gggctccgga aaggattttc tcagccccca tccccagcac 840

tgtgtgttgg ccgcacccat gagagcctca gcactctgaa ggtgcagggg gcaaaggcca 900

aaagagctct ggcctgaact tgggtggtcc ctactgtgtg acttggggca tggccctcat 960

ctgtgctgaa atgattccac aaagattaaa ctggctatca tttgttgatt tccccttct 1020

tacatttaat ccttgcagga gaaagctaag cctcaagata gtttgcttct ctttccccca 1080

aggccaagga gaaggtggag tgagggctgg ggtcgggaca ggttgaacgg gaaccctgtg 1140

ctctaaacag ttagggtttg ttcccgcagg aactgaaccc aaaggatcac ctggtattcc 1200

ctgagagtac agatttctcc ggcgtggccc tcaaggttag tgagtgagca ggtccacagg 1260

ggcatgattg gatcctggaa tgaatgaatc aaccatgaga gagtgaatga acactggaat 1320

caatagagta gcagagtaat ggattgtgga gcaggaaaga gagctgctgg gtgggaattc 1380

aattccaggc ttatatgagc cctgctgtgc agtcggcctg gagacagccc agctcaggcc 1440

ctgcctagac ccctgtcaag gaggccctgt caagaggaga ggaggggcag cacgggggca 1500

aggcaagctt gtgagcggga aaggcatgtc cactttagcg actggtatgt ggaagatgag 1560

ttagaggaga cagatggaga gaagtcatag gaaataaatt ctgagcattt taggagggcc 1620

cagacacctg gtgtccagtg gagtgaagga aacagtcgcc tcccaaaatt cagtgtctga 1680

ggtcaaagga ttgaagttct gtgatgacca aggagaagcc agctctgtgg taggggcac 1740

aggagctccc caaggcccca gggctgtcca gctggctgtc ccctgccagc acccatgtcc 1800

tgtgacccca ccccaccaag atcccatggt ttccgggaag ggcctactaa actagcttga 1860

gtgatgaggc tagaaagggg ctgggaccaa ggtttaaaaa gcaaaacaaa ctaacaaaaa 1920

ccacactgca gccccccaa ctaaaacatt tttataaact ttttttttt ttttgagatg 1980

gagtctcgct ctgtcaccca ggctagagtg caatggcaca atcttggctc actgtaacct 2040

ccacctcctg gattcaagtg attctcctgc ctcagcctcc cacgtagctg ggactacagg 2100

cacacgacac cgcacccagc tcattttgta tttttagtag agacagggtt tcactatgtt 2160

ggccaggctg gtctcaaact tctgacctca ggtgatccac ccacctcagc cttccaaagt 2220

gctgggatta caggcatgag ccaccgcgcc cagcccattt ttgtaaactt ttacaatgaa 2280

gtaatttggt gtcaaaatct gacctgaaaa ttaatgtgag tttatgtata gttttaattt 2340

atcccactag tgtaactgtt tcaccccaga atatacactt gattattggg tatatgaaaa 2400

aaatattttc tttgaatcac ctttgatgaa atcctaaaaa attttaaccc tgaaacattt 2460

gaataaggca ttgtggacct atggcaaact cctggctatt tctgcatttt gcccaaatcc 2520

atccttgaat tatatcacct gaacctcgtg accacctgga gaaggcaatg aggctcaagc 2580

cagggagggg tggtgtctaa tcctaccttt cattggatct gggaaaactg agggagatgg 2640

gggcagggct ctatctgccc caggcttccg tccaggcccc accctcctgg agccctgcac 2700

acaacttaag gccccacctc cgc 2723

<210> 17
<211> 41
<212> DNA
<213> Homo sapiens

<400> 17
ggagatgggg gcagggctct atctgcccca ggcttccgtc c 41

<210> 18
<211> 100
<212> DNA

<213> Homo sapiens

<400> 18
gatgaggcta gaaaggggct gggaccaagg tttaaaaagc aaaacaaact aacaaaaacc 60

acactgcagc ccccccaact aaaacatttt tataaacttt 100